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December 30, 2004

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: Entering National Stage in  
PCT Application No. PCT/JP2004/005392  
Applicants: Madoka Tonosaki et al  
Title : NOVEL FUNCTIONAL PEPTIDE NUCLEIC  
ACID AND PROCESS FOR PRODUCING THE  
SAME  
My File : 441/1/019

Certificate of Mailing By Express Mail Under 37 CFR 1.10

Express Mail "Mailing Label No.": ED 173244275 US  
Date of Deposit : DECEMBER 30, 2004  
I hereby certify that this paper and/or fee is being deposited with  
the United States Postal Service "Express Mail Post Office to  
Addressee" service under 37 C.F.R. 1.10 on the date indicated above  
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P.O. Box 1450, Alexandria, VA 22313-1450 on DECEMBER 30, 2004.

Richard M. Goldberg  
(Name of Registered Representative  
and person mailing)

Richard M. Goldberg Dec. 30,  
(Signature and Date) 2004

Dear Sirs:

Transmitted herewith for filing in the U.S. Patent and  
Trademark Office (entering the national phase in a PCT  
application (PCT/JP2004/005392) (WO 2004/092377) is a new  
application including:

- a) Form PTO-1390 (in duplicate), with authorization to  
charge \$500.00 to credit card, along with Credit Card  
Payment Form (PTO-2038);
- b) Form PCT/IB/308 (mailed November 18, 2004) entitled  
FIRST NOTICE INFORMING THE APPLICANT OF THE

COMMUNICATION OF THE INTERNATIONAL APPLICATION (TO DESIGNATED OFFICES WHICH DO NOT APPLY THE 30 month time limit under article 22(1), indicating that the original PCT application was transmitted by the International Office to the U.S. Patent and Trademark Office - 1 page;

- c) Original filed Japanese application of thirty (30) pages with twenty (20) claims;
- d) English-language translation of original filed Japanese application, which is an accurate translation of the original Japanese language PCT application;
- e) One (1) sheet of formal drawing (Figs. 1-2);
- f) One front page of published PCT application;
- g) Executed Declaration and Power of Attorney;
- h) Application Data Sheet;
- i) Form PCT/ISA/210 - International Search Report performed by the Japanese Patent Office and Annex thereto, and English-language translation thereof;
- j) Preliminary Amendment; and
- k) Information Disclosure Statement, one Form PTO/SB/08A and ten references.

**APPLICANTS QUALIFY FOR SMALL ENTITY STATUS.**

It is respectfully requested that the above-identified PCT application be granted a filing date within the October 15, 2005 convention term (30 months), based on Japanese Application No. 2003-144152, filed April 15, 2003 and Application No. PCT/JP2004/005392, filed April 15, 2004.

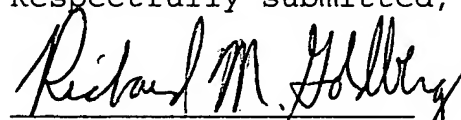
In the event that this Paper is late filed, and the necessary petition for extension of time is not filed concurrently herewith, please consider this as a Petition for the requisite extension of time, and to the extent not tendered by

Commissioner for Patents  
December 30, 2004  
Page 2

check attached hereto, authorization to charge the extension fee,  
or any other fee required in connection with this Paper, to  
Account No. 07-1524.

The Commissioner is authorized to charge any additional fees  
which may be required, or credit any overpayment to Deposit  
Account No. 07-1524.

Respectfully submitted,

A handwritten signature in cursive script, reading "Richard M. Goldberg". The signature is written in dark ink and is positioned above a horizontal line.

Richard M. Goldberg  
Registration No. 28,215

RMG:mz  
enclosures

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>441/1/019</b>
INTERNATIONAL APPLICATION NO. <b>PCT/JP2004/005392</b>	INTERNATIONAL FILING DATE <b>April 15, 2004</b>	U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>107519931</b>
TITLE OF INVENTION <b>NOVEL FUNCTIONAL PEPTIDE NUCLEIC ACID AND PROCESS FOR PRODUCING THE SAME</b>		PRIORITY DATE CLAIMED <b>April 15, 2003</b>
APPLICANT(S) FOR DO/EO/US <b>Madoka TONOSAKI et al</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))               <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).               <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98, <b>Form PTO/SB/08A and PTO/SB/08B and 10 refs</b></li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 5.23 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: <b>PCT/IB/308</b></li> </ol>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 1.5em; font-weight: bold;">10/519931</div>		INTERNATIONAL APPLICATION NO. PCT/JP2004/005392		ATTORNEY'S DOCKET NUMBER 441/1/019											
21. The following fees are submitted: <input checked="" type="checkbox"/> a) Basic national fee..... \$300.00 <input checked="" type="checkbox"/> b) Examination fee..... \$200.00 <input checked="" type="checkbox"/> c) Search fee..... \$500.00 <div style="text-align: right; margin-top: 5px;"> <b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b> </div>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Applicant use</th> <th style="text-align: left;">Office use only</th> </tr> <tr> <td>\$ 300.00</td> <td></td> </tr> <tr> <td>\$ 200.00</td> <td></td> </tr> <tr> <td>\$ 500.00</td> <td></td> </tr> <tr> <td>\$ 1,000.00</td> <td></td> </tr> </table>		Applicant use	Office use only	\$ 300.00		\$ 200.00		\$ 500.00		\$ 1,000.00	
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<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.															
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE												
30 - 100 =	0 /50 =		x \$250.00												
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$ 0</td> <td style="width:50%;"></td> </tr> </table>		\$ 0									
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CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE												
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Independent claims	2 - 3 =	0	x \$200.00	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$ 0</td> <td style="width:50%;"></td> </tr> </table>		\$ 0									
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MULTIPLE DEPENDENT CLAIM(S) (if applicable)				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">+ \$360.00</td> <td style="width:50%;"></td> </tr> </table>		+ \$360.00									
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<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 1,000.00</b>											
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$ 500.00</td> <td style="width:50%;"></td> </tr> </table>		\$ 500.00									
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<b>SUBTOTAL =</b>				<b>\$ 500.00</b>											
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$ 0</td> <td style="width:50%;"></td> </tr> </table>		\$ 0									
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<b>TOTAL NATIONAL FEE =</b>				<b>\$ 500.00</b>											
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$ 0</td> <td style="width:50%;"></td> </tr> </table>		\$ 0									
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<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 500.00</b>											
Amount to be refunded:				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; background-color: #cccccc;"></td> <td style="width:50%;"></td> </tr> </table>											
Amount to be charged				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; background-color: #cccccc;"></td> <td style="width:50%; text-align: right;">\$500.00</td> </tr> </table>			\$500.00								
	\$500.00														
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>07-1524</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SEND ALL CORRESPONDENCE TO:</p> <p>Richard M. Goldberg 25 East Salem Street Suite 419 Hackensack, NJ 07601 (201) 343-7775</p> </div> <div style="width: 45%; text-align: center;"> <div style="font-size: 1.5em; font-family: cursive;">Richard M. Goldberg</div> <hr/> <p>SIGNATURE</p> <hr/> <p>Richard M. Goldberg</p> <hr/> <p>NAME</p> <hr/> <p>28,215</p> <hr/> <p>REGISTRATION NUMBER</p> </div> </div>															